



RATINGS CHART – OIL BOILERS

INTREPID TR SERIES - WATER



Boiler Model No.	I=B=R Burner Capacity Oil Input		D.O.E. Heating Capacity MBH		I=B=R Burner Net Ratings			I=B=R Chimney Size		A.F.U.E. %		Dimensions (inches)					Boiler section	Tankless Heater GPM**	
	GPH†	BTUH	Water	Steam	Water MBH‡	Steam MBH‡	Steam Sq. Ft.	Nom. Rect. x Height§ (in x in x ft)	I.D.Round x Height (in x ft)	Water	Steam	Boiler Length "A"	Front to Flue c "B"	Flue Dia. "C"	Return Circulator Flange "D"	Overall Length "E"		Water	Steam
TR-20	0.75	105,000	91	—	79	—	—	8 x 8 x 15	5 x 15	83.50	—	11½	8¾	6 ^Δ	1¼	24¼	2	2.20	—
TR-30H	1.00	140,000	121	—	105	—	—	8 x 8 x 15	6 x 15	86.00	—	14¾	10½	6	1¼	27¾	3	3.00	—
TR-30 [¶]	1.10	154,000	134	134	117	101	421	8 x 8 x 15	6 x 15	84.85	84.15	14¾	10½	6	1¼	27¾	3	3.20	3.00
	1.25	175,000	151	—	131	—	—	8 x 8 x 15	6 x 15	83.50	—	14¾	10½	6	1¼	27¾	3	3.40	—
TR-40H	1.50	210,000	182	179	158	134	558	8 x 8 x 15	6 x 15	86.00	84.00	18¾	11 ²³ / ₃₂	7	1¼	31	4	3.80	3.40
TR-40 [¶]	1.60	224,000	195	195	170	146	608	8 x 8 x 15	7 x 15	84.45	83.80	18¾	11 ²³ / ₃₂	7	1¼	31	4	3.90	3.50
	1.80	252,000	218	—	190	—	—	8 x 8 x 15	7 x 15	83.33	—	18¾	11 ²³ / ₃₂	7	1¼	31	4	4.15	—
TR-50H	2.00	280,000	243	239	211	179	746	8 x 8 x 15	7 x 15	86.00	84.00	21¾	13 ¹³ / ₃₂	8	1½	34¾	5	4.40	3.90
TR-50 [¶]	2.10	294,000	256	255	223	191	796	8 x 8 x 15	8 x 15	84.06	83.45	21¾	13 ¹³ / ₃₂	8	1½	34¾	5	4.40	4.00
	2.35	329,000	272 [#]	—	237	—	—	8 x 12 x 15	8 x 15	—	—	21¾	13 ¹³ / ₃₂	8	1½	34¾	5	4.70	—
TR-60 [¶]	2.60	364,000	298 [#]	298 [#]	259	224	933	8 x 12 x 15	10 x 15	—	—	25	15¾	8	1½	37¾	6	4.90	4.50
	2.85	399,000	327 [#]	—	284	—	—	8 x 12 x 15	10 x 15	—	—	25	15¾	8	1½	37¾	6	5.20	—
TR-70 [¶]	3.10	434,000	352 [#]	354 [#]	306	266	1108	8 x 12 x 15	10 x 15	—	—	28¾	16 ²⁵ / ₃₂	9	—	41¾	7	5.45	5.00
	3.35	469,000	381 [#]	—	331	—	—	8 x 12 x 15	10 x 15	—	—	28¾	16 ²⁵ / ₃₂	9	—	41¾	7	5.70	—

* Add Suffix: (P)Packaged water boiler less tankless heater, (PT)Packaged water boiler with tankless heater, (PPT)Packaged water boiler with provision for tankless heater, (PZ)Packaged steam boiler less tankless heater, (PZT)Packaged steam boiler with tankless heater.

† Ratings apply to the use of light oil at 140,000 Btu per gallon, and a .02% draft (negative pressure) over the fire.

‡ The net I=B=R output ratings shown are based on an allowance for piping and pickup of 1.15 (water) or 1.33 (steam). D.O.E. capacity gross output is divided by the allowance to obtain net rating.

§ The manufacturer should be consulted before selecting a boiler for unusual piping and pickup requirements such as intermittent system operation, extensive piping, etc.

¶ Nominal clay tile liner dimensions.

** Tankless heater rating based on intermittent draw.

¶ Water boiler models TR-30, TR-40, TR-50, TR-60 and TR-70 have two firing rates. The boiler is factory shipped at the lower firing rate. To obtain the higher firing rate, refer to the Intrepid boiler installation instructions for the appropriate field adjustments.

I.B.R. gross output.

Δ Collar is oblong, will fit 6" diameter nominal connector.

NOTE: All boilers under 300,000 Btuh input are tested and rated for capacity under the U.S. Department of Energy (D.O.E.) Test Procedures for Boilers.Δ

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